

Bill no: 5th & Final

M. A. R. 57 (Rule 116)
Measurement Book

No. E
489025

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of the work:	Modified estimate for construction of R.O. plant in ward no: 14					
	Est cost Rs:	12.50 Lakhs.					
	Job code no:	014-21-000007					
	As no:	EE/BBMP/AS/131/20-21					
	TS no:						
	U.O. No:	EE/BBMP/250/16/21-22				dated 14-06-2021	
	Dated & Recd:	18/04/2022					

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation for foundation of buildings water supply sanitary lines and electrical conduits etc. in pits as per in specification and complete as per the drawings enclosure of the work. BF measurements recorded in this MB Vide page no: 489080 ie Qty up to 125% 27.61 m ³ @ Rate R 326.96/ R 9115.64 Qty above 125% 102.52 m ³ @ Rate R 326.96/ R 33518.94 3) Providing and laying 1:3:6 with OPC Cement @ 220 kg with 40mm g/s graded ground level etc complete as per specification						

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No. E 489026

Serial No.
Name of work From To
Name of Contractor or nature of Agency
Date of commencement of work

Date	Full description, etc., of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF measurements were recorded in this MB Vide page no: 489081 ie Qty up to 125% 5.93 m ³ @ Rate R 5769.83/100 R 3415.09 Qty Above 125% 23.41 m ³ @ Rate R 5769.83/100 R 135053.83 3) Providing and casting concrete for foundation etc complete as per specification BF measurements recorded in this MB Vide page no: 489081 ie 6.32 m ³ @ Rate R 5046.22/100 R 31892.11						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Providing ruled masonry to cross wall as per specification long wall short wall	2	4.18		0.30	2.52	
		1	3.50		0.30	1.05	
						3.55	
						567=68	
	5) Filling available excavated earth with rock down sides of foundation up to plinth level etc complete as per specification.						
	B.F. after 12.5/	27.88				6127.75	
	Qty up to 12.5/	27.88				6126.95	
	Qty above 12.5/	102.61				22532.40	

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Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Providing and laying in partition wall concrete of design ratio 1:2:4 with 20mm & 12mm graded granite jelly etc complete as per specification.						
	Plinth Beam	2	4.18	0.30	0.30	0.75	
		2	3.20	0.30	0.30	0.50	
	Lintel	2	4.18	0.15	0.15	0.19	
		2	3.20	0.15	0.15	0.14	
	Roof Beam	2	4.18	0.30	0.30	0.75	
		2	3.20	0.30	0.30	0.50	

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Roof slab	1	4.70	3.50	0.15	2.47	
	Supporting slab	1	1.80	2.80	0.20	1.01	
						6.46	
	Qty up to 125%	2.31	Q	Net R	6749.59	15591.55	
	Qty Above 125%	4.61	Q	Net R	6749.59	31145.31	
	Provisioning and laying in position plain cement of ratio 1:2:4 with spec cement @ 240 kgs 25kg 20mm & d/s granite road etc complete as per specification.						
	For coping sh	2	3.50	0.30	0.10	0.21	
	For support bottom	1	2.80	1.80	0.20	1.01	
	For NPC	1	3.88	3.20	0.10	1.24	
						2.46	

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No. E 489028

Serial No.
Name of work From To
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Date of commencement of work.....

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty up to 125%	1.22	Q	Net R	6027.36	7353.35	
	3) Providing 700T steel reinforcement for RCC work. including straightening cutting bending hooking etc complete as per specification.						
	BF reinforcement not recorded in this book vide page no. 489083						
	ie						
	Qty up to 125%	0.23	Q	Net R	7760.32	17460.30	
	Qty Above 125%	0.39	Q	Net R	7760.32	30176.07	
						30176.07	

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
9	Provide & Remove Canvas Shuttering, propping etc complete as per specification. BF premeasured and recorded by this book vide page no 489084 Qty up to 125/15.4/10 ² @ rate A 319.30/- Qty Above 125/29.57/10 ² @ rate A 319.30/-					4920.41 A 4921.21 A 7440.58 9441.70	
10	Fabricating Supplying &						
12	Provide & fix 100 mm thick and pull type Roller shutter of approved make out of 15 gauge etc complete as per specification.						
		1	1.80	3.00	5.40 m		
		@ rate A 2550/100					

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Serial No.
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Date of commencement of work

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
13	Provide & fix 100 mm thick Top cover made out of 20 gauge iron sheet etc complete as per specification.	1	1.80	-	-	1.80 m	
		@ rate A 527.07/-					R 946.73
14	Provide 20 mm thick Gypsum plaster on single coat with cement mortar 1:3 to steel reinforcement etc complete as per specification.						
	out side - A)	2	4.18		3.50	29.26	
		2	3.50		0.50	24.50	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Deduct RSD	-1	1.50		3.0	-5.40	
	Windows	-1	1.00		1.20	-1.20	
	For Group bonded	2	2.80		2.00	11.20	
		2	1.50		2.00	7.20	
	Bottom	1	3.88		3.20	12.42	
						77.9810	
	Qty up to 125/-	26.40	125/-			R 8452.28	
	Qty Above 125/-	51.58	125/-			R 16514.64	
	1.5) Providing & fixing Aluminium window posts as wall	1	3.20		2.50	8.00	
	Specified	-1	0.90		2.10	-1.89	
	Deduct Door					6.11	
						R 22475.82	

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Serial No.
Name of work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
17)	Providing & fixing approved dressing	1	0.90		2.10	1.89	
						R 6704.25	
18)	Applying red lead ready mixed paint over new steel or other metal surface	1	2.25	1.80		11.34	
		1	2.25	1.00		2.70	
						R 4483.95	
						14.04	
						R 629.94	

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
19)	Providing & applying concrete plaster to walls excluding primary coat etc complete as per spec BF Qty as shown: (18) 12 14.04 m ² @ Rate R 19,000 LPS R-0.00/-						
20)	Water purification plant supply, structural work Complete as per spec 1 no @ Rate R 4,05,000/-					R 4,05,000/-	
21)	Additional price for installation of ultra violet system 1 no @ Rate R 10,000/-					R 10,000/-	

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No. E 489031

Serial No.
Name of work From To
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
22)	Providing & placing concrete to storage tank of 1000 lbs capacity etc complete as per spec 1 no @ Rate R 7466.42/Ea					R 7466.42	
23)	Providing & fixing concrete pipe with brass threaded etc complete 1 30.00 - 30.00 @ Rate R 286.97/-					R 7709.70	
24)	Providing & fixing concrete pipe with brass threaded 25mm nominal etc complete as per spec 1 30.00 - 30.00 @ Rate R 320.40/-					R 9612.00	

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MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
25	Supply CPVC pipe with brass threaded at complete as per spec	1	30.00 mtr			R 1269=10	
			Chk R 408.57/-				
26	Supply heavy gauge PVC conduit pipe 19/20 mm dia 2mm thick at complete as per spec	1	40.00 mtr			A 2025=20	
			Chk R 50.63/-				
27	Supply for lighting power circuit wiring core of FRSL PVC insulated 110V grade at complete 1.5 Sqmm	1	70.00 mtr			A 1483=20	
			Chk R 20.76/mtr				

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M. A. R. 57 (Rule 116)
Measurement Book

No. E 489032

Serial No.
Name of work From To
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Date of commencement of work.....

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
28	2.50 Sqmm	1	50.00 mtr			50.00 mtr	
			Chk R 32.40/-			R 1620=0	
29	4.0 Sqmm	1	20.00 mtr			20.00 mtr	
			Chk R 45.56/-			R 911-20	
30	Supply & install a complete loop system on existing PVC conduit/Casing carry 2way 110V grade copper conductors flexible conduit as per complete as per spec by sheet post work	4 No	Chk R 162/-			R 648=0	

2020

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
31)	Reduction point 3.0m up to 6.0m	2	Q.141 R	283.13		A	506=28
32)	Long post above 6.00 m	1	Q.141 R	379.69		A	579=69
33)	Supplying & flush mounting switch front plate etc complete 1-3 way	3 Nos	Q.141 R	36.13		R	288=57
34)	16-18 way	2 Nos	Q.141 R	182.25		A	364=50
35)	Supplying & fixing superior quality modular switch etc complete	3 Nos	Q.141 R	111.38		R	334=14

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No. E 489033

Serial No.
Name of work From To
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Date of commencement of work

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
36)	16-18 module -	2 Nos	Q.141 R	273.38		A	546=76
37)	Supplying & fixing modular switch & connection necessary on existing modular switch plate	2 Nos	Q.141 R	70.82		R	141=76
38)	16 Amp three way switch only	2 Nos	Q.141 R	106.31		R	212=62
39)	16 Amp one way switch only	2 Nos	Q.141 R	116.44		A	232=82

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
40)	G/I/C Amps universal socket	3 Nos @ 164.08				R 492=09	
41)	1000 to 1200 watts 2000000	5 Nos @ 66.88				R 3341=28	
42)	Supplying & fixing 1000 watt circuit breaker on existing MCB distribution boards etc complete	2 Nos @ 920.36				R 1840=72	
43)	Supplying, fixing and wiring earth electrodes for groundly for transformer etc complete as per specification.	2 Nos @ 3037.20				R 6074=40	

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Measurement Book

No. E 489034

Serial No.
Name of work From To
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
44)	Supplying & fixing of porcelain fuse chamber	1 No @ 118.46				R 118=46	
45)	Supplying & fixing 1000 watt PL-LED lamp. LED Lamp Source with at 65w degree K. CRI > 70% Efficiency etc complete as per specification	5 Nos @ 430.31				R 2151=53	

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	46) Fixing all type and all Capacities of fluorescent tube light / Spot lighting / CFL / LED fittings etc complete 5 nos. each. 111.38					R 556 = 90	
	<u>E.P.L. SITEWORK</u>						
E.P.L.	providing 12mm thick wood plank on single layer with cement mortar 1:3 to level and smooth surface of all corners and complete as per specification Long wall providing and continuously load heavy wall with solid blocks of size 400 x 160 x 200 mm heavy blocks density not less than 1800 kg / cum etc complete						

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No. E 489035

Serial No.
Name of work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc., of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
	Long wall -	2	4.18	-	3.50	29.36	
	Short wall -	2	3.50	-	3.50	24.50	
	For Sweep	2	2.80	-	2.10	11.20	
		2	1.80	-	2.10	7.20	
	Deduct of opening						
	R.S.D	-1	1.80	-	3.10	-5.40	
	Window	-1	1.10	-	1.20	-1.20	
	Lintel	-2	4.18	-	0.15	-1.25	
		-1	3.50	-	0.15	-0.50	
	For Beam	-2	4.18	-	0.30	-2.51	
		-2	3.50	-	0.30	-2.10	
						59.17	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
EIRL-3)	Plastering 12 mm thick cement plaster on brick wall with coat mortar 1:2 etc complete as per specification. For ceiling Sump wall	1 1	3.88 2.80	3.20 2.80	- -	12.42 5.04 17.46 m ²	A 57963 = 50 57960.57
EIRL-3)	Plastering & finishing in position Aluminium window as per approved drawings with sliding shutter etc complete as per specification	1	2.08	1.41	-	2.93 m ²	A 3638 = 53 3641.11

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No. E
489036

Serial No.
Name of work From To
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Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
EIRL-4)	Providing & fixing M.S. grill work for 1500 mm and vertical height 21 g/side way on both ends and 100 square each on both etc complete as per spec.	1	1.00	-	1.20	1.20 m ²	A 5528 = 74
	② 21 kg/m ² ⇒ 1.20 x 21 = 25.20 kg	1	1.00	-	1.20	1.20 m ²	A 2585 = 52
	③ Kalk R 102.60/kg						

EIRL-5) Providing & fixing special wall & glazed vitrified tiles of approved make etc complete as per specification.

For Floor - $1 \times 3.88 \times 3.20 = 12.42$

For steps - $2 \times 3.50 \times 0.30 = 2.10$

Rim - $2 \times 3.50 \times 0.15 = 1.05$

15.57 m^2

@ Rate A 1188/-/m²

R₁ $(18,492 = 41)$

$18,497.16$

EIRL-6) Providing & laying 18 mm thick concrete

plastering on single coat with cement mortar 1:3

to ceiling including rounds etc all corners etc complete

$2 \times 3.88 \times 3.20 = 23.28$

$2 \times 3.20 \times 3.10 = 19.20$

ceiling PSD - $1 \times 1.50 \times 2.80 = 5.04$

37.44 m^2

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No. E 489037

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth		
1	2	3	4	5	6	7
	BF qty	37.44	m	@ Rate A	298.16/m	R 1160 = 12
EIRL-7)	Providing & applying 50 coats with oil based washable distemper of approved brand etc complete as per specification.					
	BF qty as EIRL-1 + EIRL-6					
	ie	17.46 + 37.44	=	54.90		
EIRL-8)	Providing water proof coat with approved brand etc complete as per specification.					
	@ Rate A 30.72					R 4980 = 53
EIRL-9)	Providing & installing at site of new pre pipes including cost of pipes & special					R 4277 = 41

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Location drawing of R.O. Plant					R.O. plant	
	Spalding Hall, Mason Road					Ramp	
	Ashwaha Road						

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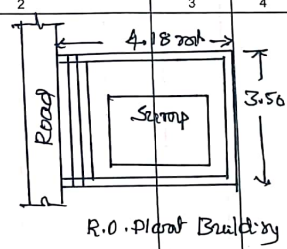
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M. A. R. 57 (Rule 116)
Measurement Book

No. E 489039

Serial No.
Name of work From To
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
	R.O. Plant Building		4.18 m	3.56			



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